

THE TECH

Vol. XXVII. No. 44

BOSTON, MASS., WEDNESDAY FEBRUARY 12, 1908

PRICE THREE CENTS



TECHNOLOGY EXPEDITION PARTY.

TECH WALLOPS DARTMOUTH AT HOCKEY 5 TO 0.

INSTITUTE'S TEAM HAS NOW WON SIX GAMES.

O'Hearn Was the Star, Scoring Three of Tech's Goals.

Tech defeated Dartmouth at hockey Monday to the tune of 5 to 0 on the rink of the Bras-Burn country club grounds.

O'Hearn was the star of the game, scoring three of the goals and doing excellent work for Tech. Captain Ford and Payne also did effective work.

Tech's defense was particularly good. Gould at cover point with Billings in the cage and Davis at point made a combination which effectually stopped all of Dartmouth's attempts to score.

The game started with a rush and at the end of the first period O'Hearn, Ford and Payne had each scored one goal for Technology.

With the opening of the second period Dartmouth gave the Boston boys some anxious moments. Dartmouth played a better game. Foote and Marston made several clever tries for goals, but failed to score. The summary:

M. I. T. DARTMOUTH.
O'Hearn f.....f. Foote
Ford f.....f. Marston
Payne f.....f. Perry
Kelley f.....f. Doe
Gould cp.....cp. Leighton
Davis p.....p. Pettingill
Billings g.....g. Blampied
Score, M. I. T. 5, Dartmouth 0. Goals made by O'Hearn 3, Ford, Payne. Referee, DeAngelis. Umpire, Gould. Timer, Allen. Time, 20 and 15m. periods.

TECHNOLOGY CLUB MEETS TONIGHT.

This evening the Technology Club will hold the business meeting postponed from Jan. 21 and will be addressed by H. H. Clayton on "My Balloon Trip from St. Louis to New Jersey, and the probable future of Aerial Navigation."

BASKETBALL TEAM HOME AGAIN.

The basket ball Team plays Tufts at the Gym tonight. The teams are about evenly matched and Tech will have to work some to win. It promises to be an interesting game.

PROFESSOR JAGGAR TO DISCUSS EVOLUTION OF BOGOSLOF ISLAND.

HIS JOURNAL OF THE TECHNOLOGY EXPEDITION SHOWS INTERESTING TREATMENT OF SUBJECT.

At Society of Arts Meeting Tomorrow, the Volcanic Origin of the Island will be Described.

Every Technology man, whether interested in geology or not, should attend the meeting of the Society of Arts tomorrow evening in 22 Walker, when Prof. Thomas A. Jaggar will give a talk on "The Evolution of Bogoslof, a New Volcano in Bering Sea."

That he can treat of his wonderful trip to the Aleutian Islands in a most interesting manner is shown in his journal of the Technology Expedition in the January number of the Technology Review.

From the first day of preparation for the trip until the return home, every day is "written up" in a most interesting way, told as they are in the present tense, the adventures that the writer goes through become most real. Prof. Jaggar has recorded in this journal not only his personal expeditions inland on the islands, but also some of his scientific conclusions as well as the adventures and work of other members of the party.

Of the party Prof. Jaggar says:—"The original scientific party consisted of myself, geologist; Prof. H. V. Gum-mere, of the Drexel Institute, Phila., magnetician and astronomer; Prof. A. S. Eakle, of the University of California, mineralogist; Dr. Edwin C. Van Dyke, of San Francisco, physician, entomologist and botanical collector; Mr. Desaix B. Myers, of Phila., and Mr. H. P. Sweeney, of Strousburg, Penn., of the class of 1908, M. I. T., assistants in geology and mineralogy. The party in Seattle was joined by Mr. Francis T. Colby of Boston, accompanied by Mr. John Cody, a Canadian trapper and guide. Mr. Colby was interested in the larger mammals of Alaska, and with Cody accompanied the expedition as far as Unalaska.

On sighting several of the big volcanoes on June 28, Prof. Jaggar says, "The evening of this day will long be remembered by every member of the party. Across a glassy, calm on Bering Sea the sun's disc set glowing red, with a singular symmetrical deformation by atmospheric layers that made it appear like a lamp with annular swellings. Far ahead to the west the snowy dome of Makushin, cold and arctic looking, was all that could be seen of Unalaska, otherwise "hull-down" as the mariners

say. But on looking back to the east, the snowy heights of Unimak fifty, eighty, and a hundred miles away, glowed pink in the evening light, and for the first time we saw Shishaldin. For two days we had been looking for this famous volcanic peak, rising like Fuji, a pure snow cone 9,000 feet from the sea."

On July 2 and 3 the great Mount Makushin was climbed and the crater explored. The journal says, "The rim of the great crater was finally reached at 12.45. Within was an expanse of snow, probably two miles in diameter, through which steaming vents have maintained openings. We saw a steaming cavity ahead to the right. Examination proved this to be a new crater-opening which was unknown to the guide, therefore it was promptly named the "Technology Crater" of Makushin. It is a vertical cavity in the snow, 75 feet in diameter, with a 300-foot wall of bedded ice and snow behind it and sulphurous steam incessantly rising through it."

The preogatives of an expedition into an unexplored region are shown by the statement given for July 27, "We have named the white dome Mount Niles in honor of the distinguished Professor Emeritus of the Institute, and the separate peak Mount Crosby after Professor William Otis Crosby."

Of Bogoslof, on which Prof. Jaggar is going to speak tomorrow evening, he says in the journal:

"In 1796 old Bogoslof rose. In 1884 New Bogoslof (Fire Island) came into being, and the waves joined the two with bars. In the 90's open channels with probably ten fathoms of water were maintained between the islands and the spits changed their shapes. In 1891 New Bogoslof was still steaming. Between 1891 and 1895 New Bogoslof changed its form from a large irregular cone to a smaller flat-topped table. I believe this change was due (1) to its being levelled by the waves and covered with beach deposits. (2) to its being subsequently uplifted. Beach boulders and sands can now be seen on its flat top and in section at the edge of the cliffs. In May, 1906, Metcalf Cone was reported by the "Albatross" (Continued on page 2.)

FORMAL PETITION MADE TO EXECUTIVE COMMITTEE.

COPLEY HALL PLAN OUTLINED AND
URGED AS NECESSITY.

Institute Committee and Board of Editors of The Tech Prepare The Letter.

A formal petition covering fully the student side of the use of the Copley Hall Building as a temporary Walker Memorial Building has been presented to the Executive Committee, the Faculty of the Institute and the Walker Memorial Committee, by the Institute Committee and Board of Editors of The Tech.

The petition follows in part:
To the Executive Committee of the Corporation:
Gentlemen:—

We desire to bring to your attention a matter which concerns very deeply the welfare of the student body, i. e., the inadequacy of the present Union to the demands of fourteen hundred undergraduates.

We believe that you will find the desire for a change long felt when you consider the resolutions of the various organizations attached to this petition.

The only place at present available for meeting of the entire student body is Huntington Hall. The various organizations in which the students are active are almost without facilities for meetings, in fact three of the most important of them are forced to use the same small room, known as the Trophy Room, in the Rogers Building.

It seems especially fitting that we should bring this matter to your attention at this time because a solution has appeared, which, if possible of consummation, is, to our minds, ideal.

We refer to the Copley Hall Building, owned by the Institute, and the lease of which, held by the Boston Art Students Association, expires about September 1st, 1908, and we desire to present to you some of the phases of desirability of immediate action, and, also, the reasons which lead us to believe that Copley Hall is so well fitted to the existing needs:

First:—The overcrowded condition of the Mechanical Engineering Laboratories in the basement of the Engineering Buildings A and B, and the desire for the room at present used as the Union for a Chipping and Filing Laboratory of adequate size.

Second:—The rooms at present given over to various other purposes than instruction in the Rogers Building could be used to fill to some extent the pressing need of office room now felt by some of the departments, noticeably those of Mathematics and Economics. This also would possibly hold true in the Engineering Buildings.

Third:—The inadequacy of the present lunch room facilities to cope with the problem of properly feeding the students.

The Tech Lunch is so crowded at one o'clock every day that eating with comfort is out of the question, and there is such a rush and bustle in the place that the natural tendency is to rush in, eat, and rush out in as short a time as possible.

The Union is so far (over one half mile) from the other buildings that it is next to impossible for those having but one hour at noon to get there for lunch.

Among other results of this present condition in the feeding problem is the forcing of large numbers of students to patronize outside lunch rooms and boarding houses where the food is not so good and the general conditions and surroundings are very undesirable.

Fourth:—The need of a common or lounging-room for the students where they may spend such time during Institute hours as they do not choose to devote to study.

This need is emphasized by the large number of students seen standing in door-ways and on the streets after lunch or during vacant hours.

Fifth:—The need of study rooms for the two lower classes. At present the only room available for this purpose is (Continued on page 3.)

THE TECH

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Wednesday, February 12, 1908.

INTERESTING

Of deep interest to every Tech man and every scientific student is the address delivered before the students of Purdue University by Prof. Henry H. Norris, professor of electrical engineering at Cornell University. Following is a syllabus:

Engineering consists in the industrial application of physical principles by (a) designing and constructing machines and other devices for specific purposes; (b) selecting and arranging such apparatus to produce definite commercial results with maximum efficiency.

Engineering to the individual may mean (a) a business, (b) a profession, or (c) a trade. It may be one or more of these. It should be all of them.

A technically trained engineer owes the community more than does the average citizen, as he represents a greater investment.

The community has a right to expect qualities of leadership from technical graduates. The first of these is the ability and desire to accept responsibility. An embryo leader is one who lightens the load of the people above him. He is doing this with muscle, not mind. A second element of leadership preparation is thoroughness. A third is perspective, seeing the relations of things and thoughts to each other.

The purpose of technical training is not that its recipients may make a better living or make a living more easily. At the same time, as a general rule, a high-salaried position carries with it splendid opportunities. On the other hand, many low-salaried positions afford excellent opportunities for efficient service.

Technical graduates (and others) divide themselves more or less automatically into two classes—wage earners and salaried employees.

The first puts his skill, the second, himself, into the work.

The first is paid for his labor; the second for his interest.

The first is paid for overtime; there is no overtime for the second.

The pay of the first is regulated by the unions. The second is (theoretically) paid a reasonable living salary, consistent with the expenses to which his position subjects him.

Good work on the part of wage earners is usually recognized, as the results are evident. It is not always so in the other case, as the true leader loses himself in his work.

Osborne's maximum for leaders:

1. Allow nothing to be everybody's business.

2. Make everything somebody's business.

3. Let no one interfere with another's responsibility.

4. Put in force a clear and simple system, but

5. Avoid red tape.

Things some technical graduates cannot do:

Answer a business letter by return mail.

Write a clear, brief report or letter.

Defend their own opinions.

Reason from premises to a conclusion.

Realize the obligations involved in a contract.

Inspire others to their best efforts.

WILLIAM WILMONT BOYNTON.

Died Feb. 11, 1908 at his home, 130 Oxford Street, Cambridge. His death occurred from pneumonia after an illness of seven weeks. He was a member of the Class of 1908 in the Sanitary Engineering Course. He belonged to the Phi Beta Epsilon Fraternity.

He had always been actively interested in Technology and class affairs and took part in the Tech Show in his Freshman and Sophomore years and was also a member of the 1908 Sophomore Tug-of-war Team.

He was born on Oct. 5, 1887, and prepared for the Institute at the Cambridge Latin School, from which he graduated in 1904.

Although known to comparatively few of his fellow students, he gained the respect and friendship of those who knew him best by his earnest, straight forward manner, and his upright character.

PROF. JAGGAR TO DISCUSS EVOLUTION.

(Continued from page 1.)
midway between the old and New Bogoslofs. Lieutenant Stromberg, of the revenue cutter "Perry," in July, 1906, made a sketch map showing Metcalf Cone attached to New Bogoslof, but separated by seven fathoms of water from old Bogoslof. The revenue cutter "McColloch" in July, 1907, found that Metcalf Cone had broken in two, extending itself into McColloch Peak on the south, and that the waves had again cemented the beach between the islands with continuous land. But the end was not yet. On September 1, after we had left the islands, McColloch Peak exploded, sand and dust fell one hundred miles to the eastward, and a visit by the revenue cutter in October revealed a watery lagoon at the south base of the Metcalf remnant, McColloch Peak was gone, and all of the rocks were shrouded in a heavy mantle of volcanic debris. No such extraordinary story of the growth and alteration of an island in the sea in a history that has lasted one hundred and eleven years has ever been told in the records of science before, and the changes of the last sixteen months are unique in the annals of volcanology.

In commenting on the expedition Prof. Jaggar says:—

"To review briefly the scientific work of the expedition, it is safe to say that the geological records are fully equal to what was hoped for when the voyage was planned. To study the volcanoes Makushin and Bogoslof and find out something about the older rocks of the chain were the first requirements of success, and these things were abundantly accomplished. The photographs were unexpectedly successful, considering the weather. Large collections of specimens were made for laboratory study. The visit to Bogoslof at a critical time, the discovery of the Shaler Mountains, of the granite and the elevated beaches, the determination of the north and south belts throughout the chain, characterized respectively by active volcanoes and older rocks, the bench levels containing lignite at high elevations—all of these things are large items of significance which appear from the field notes. What may develop from laboratory study remains to be determined."

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FORMAL PETITION TO COMMITTEE.

(Continued from page 1.)
the General Library in the Rogers
Building, and study in this room is im-
possible, because of constant going and
coming and of unavoidable talking and
other noise.

Sixth:—The recurrent demand for
small recitation rooms, now felt for the
second time by the Institute.

Seventh:—The advisability of trying
in some way the various schemes for
the arrangement of the permanent
Walker Memorial Building.

Eighth:—The desirability of making
the Walker Memorial Fund a live is-
sue, rather than a mere accumulation.

Ninth:—The pressing need of a great-
er social life among the Institute stu-
dents.

The study and work here being so ar-
duous, the social side of a man, one
of the most important of all the de-
velopments which come from a college
education, is continually lost sight of.

It is very easy to see how a naturally
sociable fellow would gradually become
reconciled to an all work and no play
standard when there are no opportuni-
ties for the development of ac-
quaintances into intimacy but the con-
tact of the recitation room and the
laboratory. If this is true of one so-
cially inclined, how much more pressing
the need must be for those of a natu-
rally self-contained, bashful or reticent
disposition.

We hear far too often that the Tech-
nology man is lacking in ability to
meet on the same personal plane his
intellectual equals.

Tenth:—The last paragraph points
directly to this need which the Walker
Memorial Building was intended to fill,
and which General Walker himself an-
ticipated, i. e., for a building which
should be devoted to the students and
their interests.

The various activities, as has been
mentioned before, are all badly cramped
in their present quarters. A rather
striking example of this is afforded by
the Technology Y. M. C. A., a very
estimable organization, and one which
is daily accomplishing great good. This
association is obliged to impose upon
Trinity Church, and use a room in the
church chapel for its weekly meeting.

Again, were these bodies suitably and
centrally housed, the work attached to
them would be materially lightened, and
many would be enabled to take part
in the various forms who now, for lack
of time, lose practically all of their

manifold benefits, whereas these should
be possible to all who choose to take
part in any form of public work.

There is now no place where the stu-
dent body can meet as a whole, in-
formally. The Komers, one of the best
ideas ever introduced here, failed as a
regular feature, because there was no
satisfactory place to hold them.

There is no central place in which to
hold mass meetings such as are de-
sirable before a track meet or other im-
portant events.

That there is a large demand for an
all day lunch room is shown by the
number of small lunch rooms now
springing up around the Institute
buildings. An all-day lunch room is a
convenience for which everyone carrying
a large amount of work feels the need
very strongly.

There are at the Institute quite a
few clubs and professional societies. Or-
ganized with the most desirable of pur-
poses, their growth has been stunted by
the fact that they have no place to
meet in a desirable way except at the
hotels about town.

Eleventh:—The need of an opportu-
nity for the student to practice, or see
practiced at a short range the general
principals of business on the lines laid
down by Isaac W. Litchfield, 1885, in
his article on "Apprenticeship for Busi-
ness Responsibility."

Twelfth:—It is easy to trace the best
of the spirit of loyalty to a college or
school to the associations and memories
connected with that undergraduate life
in which democracy, a broad view of
life, and a sense of civic responsibility
were fostered.

We undergraduates need a binding to-
gether, a greater number of more com-
mon interests, a better acquaintance
with each other, and a closer view of all
the types of mankind than we now can
get.

It would seem that a Union which
would furnish opportunity and occasion
for this sort of thing would be of great
service not alone to us, but to Technol-
ogy, for we are Technology. Her grad-
uates will do likewise some day. On
the loyalty and devotion of these men
the Institute depends. Therefore their
spirit for her must be nourished and
given every opportunity possible to
grow and propagate itself.

Respectfully submitted,

HENRY WM. MOOLE.

For The Tech.

HARRY A. RAPELVE,

For the Institute Committee.

The Technology Review

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THE MASSACHUSETTS INSTITUTE
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AND
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among Institute men and to stimulate their in-
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sense an engineering magazine, but deals
broadly with the problems of Technological
Education and the responsibilities of the pro-
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CALENDAR.

Wednesday, February 12, 1908.

4.15 P.M. Gym Work Begins at the Gym.
4.30 P.M. Meeting of Candidates for Tech Show Management in 34 Rogers.
7.30 P.M. Technology Club Meeting and Lecture at the Clubhouse.
8.00 P.M. Basketball, Tech vs. Tufts at the Gym.

Thursday, February 13, 1908.

5.00 P.M. Candidates for Tech Show Stage Management Meet in 34 Rogers.
8.00 P.M. Prof. Jaggar Addresses Society of Arts in 22 Walker.

FACULTY NOTICE.

FIRST YEAR ENGLISH.—Students repeating the Second Term of First Year English will meet Thursday afternoon, Feb. 13, at 4 o'clock, in 22 Rogers.

1911.—The English Department wishes to call attention to the fact that students taking Freshmen English are expected without fail to be present at the first meeting of their respective sections.

NOTICES.

GYMNASTIUM WORK will begin at the Gym Wednesday, Feb. 12, at 4.15.

1911 CLASS MEETING, Friday, Feb. 14, 1908, Huntington Hall, for discussion of baseball matters.

MUSICAL CLUBS.—The Musical Clubs will have their pictures taken at Purdy's, 146 Boylston Street, at 1 P.M. Saturday, instead of at Notman's.

ALL FRATERNITY MEN from other colleges now at the Institute are requested to leave name, address, fraternity and chapter, for use in Technique, at the Cage for A. L. Dickerman. No notices received later than Feb. 20.

INSTRUCTORS.—That the statistics in Technique 1909 may be complete, college fraternity members among the instructors are requested to notify A. K. Mitchell, 264 Newbury Street, of the names of the fraternities to which they belong.

BANJO CLUB.—There will be a rehearsal of the Banjo Club on Thursday, Feb. 13, in Rogers 33. Every Member is requested to be present in order that the days for rehearsal may be chosen conveniently for all.

CLASSIFIED ADS.

Advertisements of this kind under different classifications are inserted at the rate of five cents a line, averaging six words to a line, payable in advance.

COMFORTABLE ROOMS.—Good board. Freedom of house. Two in a room, \$11.50. Singly, \$7.50. Twenty-five minutes to Tech. 67 Fuller Street, Brookline. Telephone, Brookline, 2325-2.

THE TECH.—Will pay cash for two second hand flat top desks in good condition. See Business Manager.

SECOND HAND TEXT BOOKS.—A few second hand books needed in the second term can be had by applying at Box 52 Cage, Book Exchange.

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